

**INTERNATIONAL SEARCH REPORT**

International Application No.  
PCT/EP2004/007915

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 B21J15/12 B21J15/04 B21C37/29

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 B21J B21C F16B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

| Category * | Citation of document, with indication, where appropriate, of the relevant passages  | Relevant to claim No.      |
|------------|---|----------------------------|
| X          | US 5 915 901 A (AASGAARD A L PEPPER)<br>29 June 1999 (1999-06-29)<br>column 8, line 20 – line 30; figures 10-12                             | 1-6,<br>8-10,19<br>7,11-18 |
| Y          | GB 2 107 626 A (DRABUS BV)<br>5 May 1983 (1983-05-05)<br>page 2, line 15 – line 28; claim 1;<br>figures                                     | 7,11,<br>14-18             |
| Y          | US 4 428 214 A (BREDESKY JR LOUIS P ET AL)<br>31 January 1984 (1984-01-31)<br>column 4, line 4 – line 25; figures 2,3                       | 12,13                      |
| A          | DE 17 50 560 A (HOLTKAMP GERHARD DIPL ING;<br>HUELSMANN WERNER)<br>25 March 1971 (1971-03-25)<br>page 3, paragraph 2 – paragraph 3; figures | 1,10<br>-/-                |

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

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Date of the actual completion of the international search

5 November 2004

Date of mailing of the International search report

02/12/2004

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

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| A        | PATENT ABSTRACTS OF JAPAN<br>vol. 2000, no. 08,<br>6 October 2000 (2000-10-06)<br>& JP 2000 141066 A (UNIPRES CORP; NIPPON<br>LIGHT METAL CO LTD),<br>23 May 2000 (2000-05-23)<br>abstract; figures 5d,5f<br>----- | 1-9,12,<br>13,16-19   |
| A        | US 2002/125297 A1 (THREADGILL PHILIP L ET<br>AL) 12 September 2002 (2002-09-12)<br>claim 1<br>-----  | 1-6,11,<br>12         |

**INTERNATIONAL SEARCH REPORT**

Information on patent family members

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